

Title (en)

Quinazoline derivatives useful for the treatment of peripheral arterial disease and as phosphodiesterase inhibitors

Title (de)

Chinazolinderivate als Phosphodiesterasehemmer zur Verwendung für die Behandlung peripherer Arterienerkrankungen

Title (fr)

Dérives de quinazoline comme inhibiteurs de la phosphodiesterase utiles pour le traitement de la maladie artérielle périphérique

Publication

EP 1949893 A3 20080820 (EN)

Application

EP 08153077 A 20050804

Priority

- EP 05784874 A 20050804
- US 59843204 P 20040804

Abstract (en)

[origin: US2006030574A1] In accordance with the present invention there is provided a method for the treatment of peripheral arterial diseases in a host comprising administering a therapeutically effective amount of compounds having the formulas (I) through (III) or analogues thereof.

IPC 8 full level

A61K 31/00 (2006.01); **A61K 31/517** (2006.01); **A61K 31/519** (2006.01); **A61P 9/10** (2006.01)

CPC (source: EP US)

A61K 31/00 (2013.01 - EP US); **A61K 31/517** (2013.01 - EP US); **A61K 31/519** (2013.01 - EP US); **A61P 9/00** (2017.12 - EP); **A61P 9/10** (2017.12 - EP); **A61P 9/14** (2017.12 - EP); **A61P 43/00** (2017.12 - EP)

Citation (search report)

- [Y] WO 0121163 A2 20010329 - UNIV EMORY [US]
- [XPY] WO 2004064841 A1 20040805 - SHIRE HOLDING AG [CH], et al
- [Y] LANE W J ET AL: "Anagrelide metabolite induces thrombocytopenia in mice by inhibiting megakaryocyte maturation without inducing platelet aggregation", EXPERIMENTAL HEMATOLOGY 2001 US, vol. 29, no. 12, 2001, pages 1417 - 1424, XP002484397, ISSN: 0301-472X
- [A] ERUSALIMSKY J D ET AL: "Is the platelet lowering activity of anagrelide mediated by its major metabolite 2-amino-5,6-dichloro-3,4-dihydroquinazoline (RL603)?", EXPERIMENTAL HEMATOLOGY 2002 US, vol. 30, no. 7, 2002, pages 625 - 627, XP002484398, ISSN: 0301-472X
- [Y] RAFII SHAHIN ET AL: "Is the platelet lowering activity of anagrelide mediated by its major metabolite 2-amino-5,6-dichloro-3,4-dihydroquinazoline (RL603)? In response", EXPERIMENTAL HEMATOLOGY (CHARLOTTESVILLE), vol. 30, no. 7, July 2002 (2002-07-01), pages 626 - 627, XP002484399, ISSN: 0301-472X
- [Y] OSINSKI M T ET AL: "Inhibition of platelet-derived growth factor-induced mitogenesis by phosphodiesterase 3 inhibitors: Role of protein kinase A in vascular smooth muscle cell mitogenesis", BIOCHEMICAL PHARMACOLOGY 20000801 US, vol. 60, no. 3, 1 August 2000 (2000-08-01), pages 381 - 387, XP002484400, ISSN: 0006-2952
- [A] STALDER H: "METABOLITEN DER 1,5-DIHYDROIMIDAZO not 2,1-B 3/4 CHINAZOLIN-2(3H)-ONE. SYNTHESE UND REAKTIONEN EINIGER 1,5-DIHYDRO-3-HYDROXYIMIDAZO not 2,1-B 3/4 CHINAZOLIN-2(3H)-ONE METABOLITES OF 1,5-DIHYDROIMIDAZO not 2,1-B 3/4 QUINAZOLIN-2(3H)-ONES. PREPARATION AND REACTIONS OF SOME 1,5-DIHYDRO-3-HYDROXYIMIDAZO", HELVETICA CHIMICA ACTA, VERLAG HELVETICA CHIMICA ACTA. BASEL, CH, vol. 69, no. 8, 1 April 1986 (1986-04-01), pages 1887 - 1897, XP000984450, ISSN: 0018-019X
- [A] KIENZLE F ET AL: "1,5-DIHYDROIMIDAZOQUINAZOLINONES AS BLOOD PLATELET AGGREGATION INHIBITORS", CHIMIE THERAPEUTIQUE, EDITIONS DIMEO, ARCUEIL, FR, vol. 17, no. 6, 1 January 1982 (1982-01-01), pages 547 - 556, XP009059097, ISSN: 0009-4374
- [PY] WANG GUOSU ET AL: "Comparison of the biological activities of anagrelide and its major metabolites in haematopoietic cell cultures", BRITISH JOURNAL OF PHARMACOLOGY, vol. 146, no. 3, October 2005 (2005-10-01), pages 324 - 332, XP002484401, ISSN: 0007-1188

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

US 2006030574 A1 20060209; AT E484278 T1 20101015; AU 2005271275 A1 20060216; BR PI0513943 A 20080520; CA 2575512 A1 20060216; CA 2575512 C 20101214; CN 101014344 A 20070808; CY 1110881 T1 20150610; DE 602005024192 D1 20101125; DK 1949893 T3 20110131; EA 200700406 A1 20070831; EP 1778235 A2 20070502; EP 1778235 A4 20080820; EP 1949893 A2 20080730; EP 1949893 A3 20080820; EP 1949893 B1 20101013; ES 2353848 T3 20110307; HR P20100681 T1 20110131; JP 2008509163 A 20080327; JP 4758993 B2 20110831; MX 2007001513 A 20070327; NO 20071098 L 20070503; PL 1949893 T3 20110429; PT 1949893 E 20110104; RS 51519 B 20110630; SI 1949893 T1 20110228; WO 2006017823 A2 20060216; WO 2006017823 A3 20060504; ZA 200701850 B 20080827

DOCDB simple family (application)

US 19777405 A 20050803; AT 08153077 T 20050804; AU 2005271275 A 20050804; BR PI0513943 A 20050804; CA 2575512 A 20050804; CN 200580029489 A 20050804; CY 101101007 T 20101109; DE 602005024192 T 20050804; DK 08153077 T 20050804; EA 200700406 A 20050804; EP 05784874 A 20050804; EP 08153077 A 20050804; ES 08153077 T 20050804; HR P20100681 T 20101208; JP 2007525070 A 20050804; MX 2007001513 A 20050804; NO 20071098 A 20070227; PL 08153077 T 20050804; PT 08153077 T 20050804; RS P20100523 A 20050804; SI 200531196 T 20050804; US 2005028087 W 20050804; ZA 200701850 A 20070302